

Re Point V

Reasoned statement with regard to novelty, inventive step, and industrial applicability; citations and explanations supporting this statement

1. Reference is made to the following document:

D1: U.S.-A-4,173,385 (FENN JOHN W ET AL) November 6, 1979 (1979-11-06).

2.1 Document D1 is regarded as the most proximate related art with respect to the subject matter of Claims 1 and 6. It discloses (the references in parentheses relate to this document):

a monopole coaxial cable, comprising  
a core,  
a dielectric enclosing the core,  
an electrically conductive shield enclosing the dielectric,  
a jacket enclosing the shield,  
a plug connector, including a contact sleeve, which in one segment contacts the shield in an electrically conductive manner,

the contact sleeve being situated in such a way that in the segment on the one hand it encloses the dielectric and on the other hand is enclosed by the shield and the inner surface of the dielectric being inserted in such a way that also the jacket is widened in the region of the first segment, and

a method for manufacturing such a monopole coaxial cable when inserting a contact sleeve in the axially parallel direction between the shield and the dielectric.

2.2 The subject matter of Claims 1 and 6 therefore differs from the known coaxial cable by the fact that the shield

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of the coaxial cable includes a metal braid and an electrically conductive foil and that the contact sleeve is mechanically connected to the jacket of the coaxial cable, not by an additional sleeve, but rather by an extrusion coat of insulating material.

Therefore, the subject matter of Claims 1 and 6 is novel (Article 33(2) PCT).

- 2.3 The objective to be achieved by the present invention may thus be seen to produce a secure mechanical connection between a contact sleeve and a monopole coaxial cable, which has a shield having a metal braid and an electrically conductive foil.
- 2.4 The approach to this objective provided in Claims 1 or 6 of the present invention is based on an inventive activity (Article 33(3) PCT) because no cited document describes or mentions connecting such a monopole coaxial cable to a contact sleeve in this manner.
- 2.5 Claims 2 through 5, 7 and 8, respectively, are dependent on Claims 1 and 6, respectively, and therefore likewise fulfill the requirements of the PCT in terms of novelty and inventive step.